



# Safety data sheet

## LUBE EXTREME

### 1. Identification of the substance/preparation and of the company/undertaking

Prepared on: 07.11.2006/ DR. H	Supplier: <b>HOLMENKOL Sport-Technologies GmbH &amp; Co. KG</b> <b>Leonberger Str. 56-62</b> <b>D-71254 Ditzingen</b> <b>Tel:+49 (0)7156 / 357-260 Fax:+49 (0)7156 / 357-261</b> <b>Emergency telephone number: National:+49(0)30/19240</b> <b>(Giftnotruf Berlin) International: +1 352 323 3500</b> <b>(Infotrac)</b>
<b>Product use:</b> Mixture of waxes and additives towards wear and corrosion, solved in hydrocarbons and filled with propane/butane/isobutane as propellants.	

### 2. Composition/information on ingredients

Einecs no.	Substances	Classification	w/w%
265-150-3	Naphtha (petroleum), hydrotreated heavy	R10 Xn;R65 R66 R67	1-5
265-151-9	Naphtha (petroleum), hydrotreated light	F;R11 Xn;R65 Xi;R38 N;R51/53	25
		R67	

*Please see section 16 for the full text of the R-phrases*

### 3. Hazards identification

Extremely flammable. Irritating to skin. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.
<b>Additional information</b> Danger of bursting (explosion) when heated. When using: development of explosive vapour/air mixture possible.

### 4. First aid measures

<b>Inhalation</b> Seek fresh air.
<b>Ingestion</b> Do not induce vomiting.
<b>Skin</b> Wash skin with soap and water.
<b>Eyes</b> Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses.

### 5. Fire-fighting measures

Extinguish with powder, foam, carbon dioxide or water mist. Do not use water spray, as it may spread the fire. Use water or water mist to cool non-ignited stock. Remove containers from the danger area if this is possible without risk. Do not inhale vapours and flue gases - seek fresh air.
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### 6. Accidental release measures

Dam spill and collect with sand, kieselguhr or other absorbent non-flammable material and place in suitable waste containers. For information on disposal please see item 13. Do not discharge spills into drains and/or surface water.
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Replaces:

**LUBE EXTREME**

## 7. Handling and storage

### Handling

Smoking and naked flames prohibited. Ensure good ventilation.

### Storage

Observe official regulations for storage of aerosols (TRG 300, German regulation)

## 8. Exposure controls/ personal protection

### Precautions for use

Wash hands before breaks and after work.

### Respiratory protection

Not required.

### Gloves and protective clothing

Wear protective nitrile gloves (EN 374)

### Eye protection

Wear safety goggles/face protection.

### Occupational exposure limits

Ingredients	Exposure limit	Remarks
propane	1000 ppm 1800mg/m <sup>3</sup>	-
butane	500 ppm 1200mg/m <sup>3</sup>	-
isobutane	1000 ppm 2350 mg/m <sup>3</sup>	-
Naphtha (petroleum), hydrotreated heavy	200 ppm 1000 mg/m <sup>3</sup>	-
Naphtha (petroleum), hydrotreated light	170 ppm 600 mg/m <sup>3</sup>	-

(EH40/2002 Occupational Exposure Limits 2002)

### Control methods

Compliance with occupational exposure limits may be checked by occupational hygiene measurements

## 9. Physical and chemical properties

Appearance: aerosol  
Colour: beige  
Odour: like solvents  
Pressure 20 °C: 3,2 bar  
Explosive properties: 1,0-11,2 %v/v  
Explosion hazard: Product is not explosive. Formation of explosive mixtures may be possible.  
Ignition point: 200 °C  
Solubility in water: not soluble

## 10. Stability and reactivity

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**LUBE EXTREME**

## 11. Toxicological information

### **Acute**

#### **Inhalation**

The product releases vapours from organic solvents, which may cause lethargy and dizziness. At high concentrations vapours may cause headaches and intoxication.

#### **Ingestion**

#### **Skin contact**

#### **Eye contact**

### **Long-term effects**

## 12. Ecological information

Avoid discharge into drains or surface water.

### **Ecotoxicity**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### **Persistence and degradability**

According to the recipe, contains no AOX.

## 13. Disposal considerations

for contaminated packing material: 15 01 04 metallic packing Directive 2001/58/EC (amending for the second time Directive 91/155/EEC)

## 14. Transport information

The product must be transported in accordance with national and/or international rules for transport of dangerous goods by road and sea according to ADR and IMDG.

**ADR:** UN 1950 ; AEROSOLS, FLAMMABLE ; 2.1 ;

**IMDG:** UN 1950 ; AEROSOLS, FLAMMABLE ; 2.1 ;

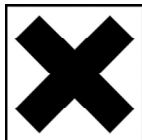
Classification code: 5F Label ADR: 2.1 Hazard identification number:

Flash point: -80°C Label IMDG: 2.1 IMDG EmS.: F-D,S-U

Transport according to ADR 1.1.3.6:Factor: 3. Maximum total quantity each transported unit: 333 kg.

\* Is to be labelled: "UN 1950 AEROSOL"

## 15. Regulatory information



Irritant



Extremely flammable

**Hazard designation:** Irritant; Extremely flammable

**Hazard symbols:** Xi;F+

### R-phrases

Extremely flammable. (R12)

Irritating to skin. (R38)

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. (R52/53)

Vapours may cause drowsiness and dizziness. (R67)

### S-phrases

Keep out of the reach of children. (S2)

Keep away from sources of ignition - No smoking. (S16)

Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer). (S23)

Use only in well ventilated areas. (S51)

### Other labelling

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

Without sufficient ventilation formation of explosive mixtures may be possible

## 16. Other information

### Packaging

tin plate aerosol can, 250 ml

### Sources used

Directive 1999/45/EC Directive 67/548/EEC Restrictive guidelines 76/769/EEC Directive 2001/58/EC (amending for the second time Directive 91/155/EEC)

### Other information

VOC-CH: 0,112 kg/250 ml

VOC 1999/13/EG: 76,18 % w/w

This safety data sheet was prepared on the basis of information from the supplier on the product (e.g. material data sheets and the like).

### Full text of the R-phrases in section 2

R10 Flammable.

R65 Harmful: May cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

R11 Highly flammable.

R38 Irritating to skin.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.